lifted up, and with a mucilagenous matter the wood was mixed and cemented, and the mouth of the hibernaculum was sealed up by 2 p. m. As long as the seal was soft, the larva's efforts could be plainly seen keeping it up with its mouth parts. On the third and fifth day I found the larva was in the same condition as when it entered. On the seventh day I opened the hibernaculum further back—the larva had cemented the other places—and found that it was a larva still. On the tenth day, however, the larva had pupated.

Pupa.—Colour reddish-brown over the wing parts and abdomen ; over the head parts and upper and lower sides of the thoracic region, of a darker shade. The proboscis case prominent ; the neuration of the wings plainly visible. On each side of the abdomen are seven black round and raised spots, which are glossy white, the rest is finely granulated. Cremastral spines and a flattened area at the end of the abdomen, black. Length, 15 mm.

NOTES ON QUEBEC COLEOPTERA.

BY A. W. HANHAM, WINNIPEG, MAN.

These notes relate chiefly to species taken in the vicinity of Quebec City, all to species taken in the Province of Quebec during 1892–1893. I am greatly indebted to Mr. W. H. Harrington for the identification of many of the following :

Cicindela longilabris, Say. June 5 and 8. Fort woods, Levis.

Cicindela limbalis, Kl. (Two.) Aug. 28. Near Lake Beauport.

Cicindela hirticollis, Say. (One.) Aug. 28. Near Lake Beauport.

(*C. repanda*, *C. purpurea* and *C. vulgaris*, very abundant on this date.)

Cychrus Lecontei, Dej. Spring and Fall, abundant under dead leaves in damp woods. St. Romauld's, May 8, seven captured on wooded hill side. Gaspé Basin, May 14, a pair.

Carabus serratus, Say. Aug. 22. St. Joseph's de Levis. A pair under stones on hill side.

Blethisa Julii, Lec. May 10. One specimen in road near Fort No. 1, Levis. Aug. 13. Same locality, four, dug out of earth under thick, dry moss, edge of woods. Associated with this beetle were numbers of *Platynus cupripennis*, Say.

Notiophilus sibiricus, Mots? Aug. 13; Sept. 10, 17, 24; Oct. 30, etc. Isle d'Orleans. Under dead leaves, damp spots in woods; generally in pairs.

Trechus rubens, Fab. Oct. 15. Isle d'Orleans. A pair in dead leaves, edge of woods.

Pterostichus Luczotii, Dej. May 14. Gaspé. Several.

Cymindis cribricollis, Dej. May 15. Gaspé. Common at Quebec.

Brachylobus lithophilus, Say. (One.) Aug. 13. Fort woods, Levis.

Bradycellus cognatus, Gyll. (One.) May 20. Gaspé.

Quedius molochinus, Grav. May 8. St. Romauld's. Under dead leaves, wooded hill side.

Staphylinus fossator, Grav. (One). Aug. 10. Isle d'Orleans.

Choleva clavicornis, Lec. May 27. Isle d'Orleans. A few specimens in the shell of a dead *Mesodon dentiferus*, Birm.

Adalia frigida, Schn. Fall. Isle d'Orleans. One in dead leaves.

Cytilus trivittatus, Melsh. May 15. Gaspé.

Byrrhus americanus, Lec. June 8. Several in ruts of sandy road through open woods.

Campylus denticornis, Kirby. June 11. A small specimen, by beating, woods near St. David's.

Oestodes tenuicollis, Rand. One or two early in the year in the city.

Oestodes, sp. (perhaps *puncticollis*, Horn.) (One.) June 25. By beating, woods near St. David's.

Corymbites resplendens, Esch. June 11th. One specimen, living, under horse droppings on sandy road through woods, near St. David's.

Corymbites æripennis, Kirby. (One.) May 13. Isle d'Orleans. In dead leaves. Sept. 3. A pair under log near St. Joseph's.

Corymbites spinosus, Lec. (One.) June 11. By beating, woods near St. David's.

Corymbites triundulatus, Rand. May 18; June 11, etc. Fairly common.

Eros coccinatus, Say. (One.) June 11. By beating, woods near St. David's.

Geotrupes Egeriei, Germ. Isle d'Orleans. Aug. 30. Burying around fungus. Sept. 10, 24, and Oct. 1. Very abundant, crawling across road through woods, or resting in the sun.

Geotrupes Blackburnii, Fab.? Aug. 10. Isle d'Orleans. Several in manure.

Hoplia trifasciata, Say. June 11. Plentiful on blossom, woods near St. David's.

Rhagium lineatum, Oliv. June 11. One specimen off pine stump, same locality.

Anthophilax malachiticus, Hald. Isle d'Orleans. A dead specimen picked up in woods, May 26.

Achmæops pratensis, Laich. June 11, etc. In great variety and abundance, by beating off blossom.

Leptura zebra, Oliv. (One.) July 16. By beating, woods near St. David's.

Leptura chrysocoma, Kirby. June 25; July 9, 13, etc. This handsome "long-horn" is often to be met with on the flowers of *Chrysanthemum leucanthemum*.

Leptura proxima, Say. July 16. By beating, woods near St. David's.

Leptura vibex, Newm. June 11. A few by beating, woods near St. David's.

Saperda cretata, Newm. Aug. 6. Isle d'Orleans. One specimen off thorn.

Adimonia rufosanguinea, Say. May 18. Gomin swamp. Very common, by beating off blue-berry blossom.

Chelymorpha argus, Licht. Conspicuous, hibernating in dead leaves spring and fall.

Phellopsis obcordata, Kirby. May 8. St. Romauld's. Seven taken from under bark of rotten stump. May 18. One example at Gaspé Basin.

Cephaloon lepturoides, Newm. June 11. Abundant by beating off blossom of wild black cherry, woods near St. David's.

Schizotus cervicalis, Newm. (One.) June 11.

Pomphopœa Sayi, Lec. June 11. Woods near St. David's. Several off blossoms of wild black cherry (*Prunus serotina*, Ehrhart.) June 12. One on wing, Isle d'Orleans.

Hormorus undulatus, Uhler. June 11. Woods near St. David's. One specimen off blossom of choke-berry (*Pirus arbutifolia*).

Otiorhynchus rugifrons, Gyll. May 20. Gaspé. Hibernating.

Phytonomus nigrirostris, Fab. (One.) May 18. Gomin swamp Beating off blue-berry blossom. Also found hibernating.

Macrops sparsus, Say. May 20. Gaspé. Hibernating.